

Claims

1. Apparatus for delivering defined sample volumes  
above 0.01  $\mu$ l for miniaturized analytical systems,  
5 comprising at least one channel section at each  
end of which at least one fluidic connection is  
present.
2. Apparatus according to Claim 1, characterized in  
10 that the sample volume is between 0.05 and 30  $\mu$ l.
3. Apparatus according to Claim 1 or 2, characterized  
in that the channel system contains at least two  
15 serial channel sections, each of which is  
delimited by fluidic connections.
4. Apparatus according to one of Claims 1 to 3,  
20 characterized in that the channel system contains  
at least two parallel channel sections which are  
delimited independently of one another by fluidic  
connections.
5. Apparatus according to one of Claims 1 to 4,  
25 characterized in that tightly sealing micropumps  
serve as fluidic connections.
6. Apparatus according to one of Claims 1 to 4,  
characterized in that micromixers, valves and  
micropumps serve as fluidic connections.

Sub  
A